

ABSTRACT OF THE DISCLOSURE

A method for screening a low molecular weight substance which binds to a specific site of a biomolecule and may be usable as a starting material in drug development. This method comprises screening a substance that interacts with a specific region of a biomolecule having an activity, to regulate the activity, by the following steps:

- (a) a step of selecting a recombinant organism that interacts with the biomolecule, from a peptide library composed of a collection of recombinant organisms each presenting at least one of various peptides on its surface; and
- (b) a step of selecting a substance inhibiting the interaction between the selected recombinant organism or a peptide presented by the recombinant organism and the biomolecule.